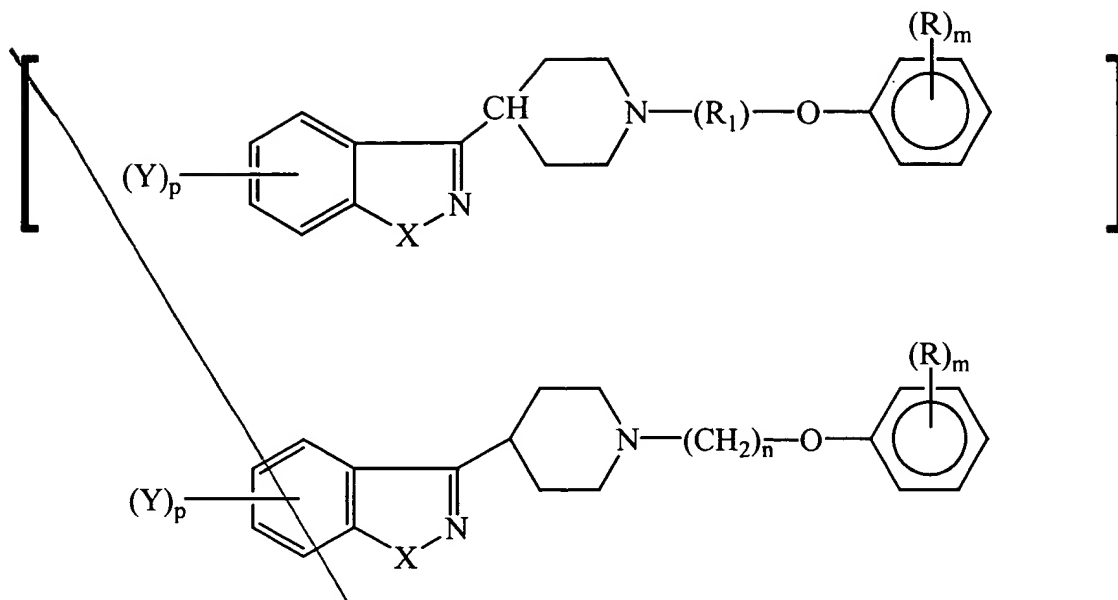


B1
Q1
Cont



wherein

X is -O- or -S-;

p is 1 or 2;

Y is hydrogen, lower alkyl, hydroxy, chlorine, fluorine, bromine, iodine, lower alkoxy, trifluoromethyl, nitro, or amino, when p is 1;

Y is lower alkoxy[, hydroxy and halogen], when p is 2 and X is -O-;

[(R₁) is R₂₀, R₂₁, or R₂₂, wherein:

R₂₀ is -(CH₂)_n- where n is 2, 3, 4 or 5;

[R₂₁ is

-CH₂-CH=CH-CH₂-,

-CH₂-C≡C-CH₂-,

-CH₂-CH=CH-CH₂-CH₂-,

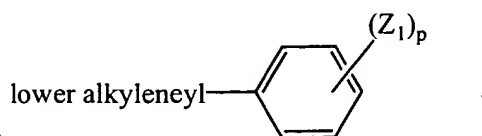
-CH₂-CH₂-CH=CH-CH₂-,

-CH₂C≡C-CH₂-CH₂-, or

$-\text{CH}_2-\text{CH}_2-\text{C}\equiv\text{C}-\text{CH}_2-$,

the $-\text{CH}=\text{CH}-$ bond being cis or trans;

R_{22} is R_{20} or R_{21} in which one or more carbon atoms of R_{20} or R_{21} are substituted by at least one C_1-C_6 linear alkyl group, phenyl group or

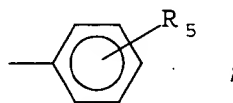


where Z_1 is lower alkyl, $-\text{OH}$, lower alkoxy, $-\text{CF}_3$, $-\text{NO}_2$, $-\text{NH}_2$ or halogen;]

R is hydrogen, lower alkyl, lower alkoxy, hydroxyl, carboxyl, chlorine, fluorine, bromine, iodine, amino, lower mono or dialkylamino, nitro, lower alkyl thio, trifluoromethoxy, cyano, acylamino, trifluoromethyl, trifluoroacetyl, aminocarbonyl, [monoalkylaminocarbonyl, dialkylaminocarbonyl, formyl,] $-\text{C}(=\text{O})$ -alkyl, $-\text{C}(=\text{O})$ -O-alkyl, $-\text{C}(=\text{O})$ -aryl, $-\text{C}(=\text{O})$ -heteroaryl, or $-\text{CH}(\text{OR}^7)$ -alkyl;] $-\text{CH}(\text{OR}^7)$ -alkyl, $-\text{C}(=\text{W})$ -alkyl, $-\text{C}(=\text{W})$ -aryl, and $-\text{C}(=\text{W})$ -heteroaryl;]

alkyl is lower alkyl;

aryl is phenyl or

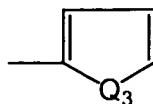


where R_5 is hydrogen, lower alkyl, lower alkoxy, hydroxy, chlorine, fluorine, bromine,

B1
C1
Cont

iodine, lower monoalkylamino, [lower dialkylamino,] nitro, cyano,
trifluoromethyl, trifluoromethoxy;

heteroaryl is



Q₃ is -O-, -S-, -NH-, or -CH=N-;

[W is CH₂ or CHR₈ or N-R₉;

R₇ is hydrogen, lower alkyl, or acyl;

[R₈ is lower alkyl;

R₉ is hydroxy, lower alkoxy, or -NHR₁₀; and

R₁₀ is hydrogen, lower alkyl, C₁-C₃ acyl, aryl,

-C(=O)-aryl or -C(=O)-heteroaryl,

where aryl and heteroaryl are as defined above;] and

m is 1, 2, or 3;

[all geometric, optical and stereoisomers thereof,] or a pharmaceutically acceptable acid

addition salt thereof.

B2

26. (Amended) A compound as claimed in claim 1, [which is 1-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-propoxy]-3-methylmercaptophenyl]ethanone or] which is 1-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-propoxy]-3-methylmercaptophenyl]ethanone or a pharmaceutically acceptable acid addition salt thereof.

B³

52. (Amended) A compound as claimed in claim [1] 132, which is N,N-dimethyl-4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]propoxy]-3-methoxybenzamide, or a pharmaceutically acceptable acid addition salt thereof.

53. (Amended) A compound as claimed in claim [1] 132, which is 1-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-propoxy]-3-methoxyphenyl]ethanone oxime, or a pharmaceutically acceptable acid addition salt thereof.

54. (Amended) A compound as claimed in claim [1] 132, which is 1-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-propoxy]methoxyphenyl]ethanone oxime O-methyl ether, or a pharmaceutically acceptable acid addition salt thereof.

55. (Amended) A compound as claimed in claim [1] 132, which is 1-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-propoxy]-3-methoxyphenyl]ethanone hydrazone, or a pharmaceutically acceptable acid addition salt thereof.

56. (Amended) A compound as claimed in claim [1] 132, which is 6-fluoro-3-[1-[3-[2-methoxy-4-(1-methylethenyl)phenoxy]-propyl]-4-piperidinyl]-1,2-benzisoxazole, or a pharmaceutically acceptable acid addition salt thereof.

57. (Amended) A compound as claimed in claim [1] 87, which is (Z)-1-[4-[[4-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-2-butenyl]oxy]-3-methoxyphenyl]ethanone, or a pharmaceutically acceptable acid addition salt thereof.

B³

58. (Amended) A compound as claimed in claim [1] 87, which is (E)-1-[3-[4-[[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-2-butenyl]oxy]-4-hydroxyphenyl]ethanone, or a pharmaceutically acceptable acid addition salt thereof.

59. (Twice Amended) A compound [as claimed in claim 1], which is (E)-1-[3-[4-[[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-2-butenyl]oxy]-4-benzyloxyphenyl]ethanone, or a pharmaceutically acceptable acid addition salt thereof.

B⁴

65. (Twice Amended) A compound as claimed in claim [1], which is 1-(R)-(-)-[4-[3-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-2-methyl-1-propoxy]-3-methoxyphenyl]ethanone, or 104, which is 1-(R)-(-)-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-2-methyl-1-propoxy]-3-methoxyphenyl]ethanone, or a pharmaceutically acceptable acid addition salt thereof.

66. (Amended) A compound as claimed in claim [1] 104, which is 1-(S)(+)-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-2-methyl-1-propoxy]-3-methoxyphenyl]ethanone, or a pharmaceutically acceptable acid addition salt thereof.

B⁵

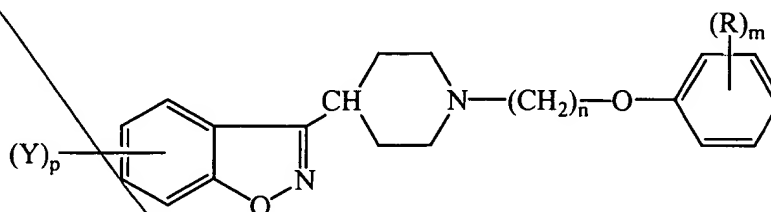
74. (Amended) The compound of claim 1, wherein p is 2, X is -O-, and Y is [selected from the group consisting of] lower alkoxy[, hydroxy and halogen groups].

B⁶

77. (Amended) The compound of claim 1, wherein R is selected from the group consisting of hydrogen, C₁-C₃ alkyl, C₁-C₃ alkoxy, hydroxyl, -COCF₃, C₁-C₆ alkanoyl, Cl, F, Br,

I, C₁-C₃ alkylamino, [-NO₃] -NO₂, -CF₃, -OCF₃, and -C(=O)-lower alkyl.

B⁶
78. (Amended) A compound of the formula:



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wherein p is 1 or 2;

Y is hydrogen, Cl, Br, or F, when p is 1;

Y is lower alkoxy[, hydroxy, or halogen] when p is 2;

n is 2, 3, or 4;

R is hydrogen, C₁-C₃ alkyl, C₁-C₃ alkoxy, hydroxyl, alkanoyl, Cl, F, Br, I, amino,

C₁-C₃ mono or dialkyl amino, acylamino, -NO₂, -OCF₃, -CF₃, alkyl-C(=O)-,

CF₃-C(=O)-, or -CH(OR₇)-alkyl;

alkyl is lower alkyl;

R₇ is hydrogen, lower alkyl, lower alkyl-C(=O)-, or CF₃-C(=O)-;

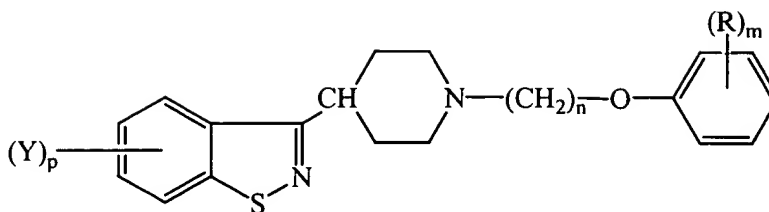
and m is 1, 2, or 3;

all geometric, optical and stereoisomers thereof or a pharmaceutically acceptable acid

addition salt thereof.

79. (Twice Amended) A compound of the formula:

B⁶



wherein p is 1 or 2;

Y is hydrogen, Cl, Br, or F, when p is 1;

Y is lower alkoxy[, hydroxy, or halogen] when p is 2;

n is 2, 3, or 4;

R is hydrogen, C₁-C₃ alkyl, C₁-C₃ alkoxy, hydroxyl, acyl, alkanoyl, Cl, F, Br, I, amino, C₁-

C₃ mono or dialkyl amino, acylamino, -NO₂, -OCF₃, -CF₃, alkyl-C(=O)-,

CF₃-C(=O)-, or -CH(OR₇)-alkyl;

alkyl is lower alkyl;

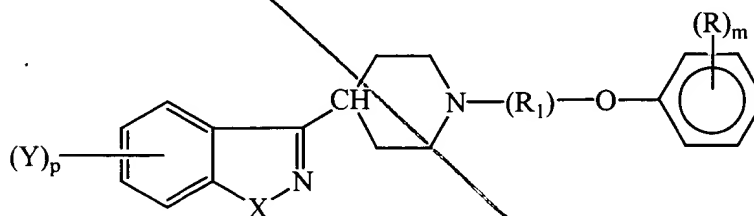
R₇ is hydrogen, lower alkyl, [or] lower alkyl-C(=O)-, or CF₃-C(=O)-;

and m is 1, 2, or 3;

all geometric, optical and stereoisomers thereof or a pharmaceutically acceptable acid

addition salt thereof.

80. (Twice Amended) A compound as claimed in claim 1 [of the formula:



per
C2

B6
C2
cont

wherein

X is -O- or -S-;

p is 1 or 2;

Y is hydrogen, lower alkyl, hydroxy, chlorine, fluorine, bromine, iodine, lower alkoxy, trifluoromethyl, nitro, or amino, when p is 1;

Y is lower alkoxy, hydroxy and halogen when p is 2 and X is -O-;

(R₁) is R₂₀, R₂₁, or R₂₂, wherein:

R₂₀ is -(CH₂)_n-, where n is 2, 3, 4 or 5;

R₂₁ is

-CH₂-CH=CH-CH₂-,

-CH₂-C≡C-CH₂-,

-CH₂-CH=CH-CH₂-CH₂-,

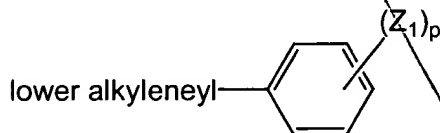
-CH₂-CH₂-CH=CH-CH₂-,

-CH₂-C≡C-CH₂-CH₂-, or

-CH₂-CH₂-C≡C-CH₂-,

the -CH=CH- bond being cis or trans;

R₂₂ is R₂₀ or R₂₁ in which one or more carbon atoms of R₂₀ or R₂₁ are substituted by at least one C₁-C₆ linear alkyl group, phenyl group or



where Z₁ is lower alkyl, -OH, lower alkoxy, -CF₃, -NO₂, -NH₂ or halogen; and R

and m are as defined hereinafter;

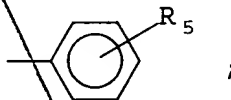
m is 1, 2, or 3; and

B⁶
C²
cont

when m is 1, 2, or 3, R is hydrogen, lower alkyl, lower alkoxy, hydroxyl, carboxyl, chlorine, fluorine, bromine, iodine, amino, lower mono or dialkylamino, nitro, lower alkyl thio, trifluoromethoxy, cyano, acylamino, trifluoromethyl, trifluoroacetyl, aminocarbonyl, monoalkylaminocarbonyl, dialkylaminocarbonyl, formyl, -C(=O)-alkyl, -C(=O)-O-alkyl, -C(=O)-aryl, -C(=O)-heteroaryl, -CH(OR⁷)-alkyl, -C(=W)-alkyl, -C(=W)-aryl, and -C(=W)-heteroaryl;

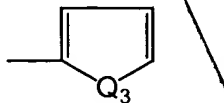
alkyl is lower alkyl;

aryl is phenyl or



where R₅ is hydrogen, lower alkyl, lower alkoxy, hydroxy, chlorine, fluorine, bromine, iodine, lower monoalkylamino, lower dialkylamino, nitro, cyano, trifluoromethyl, trifluoromethoxy;

heteroaryl is



Q₃ is -O-, -S-, -NH-, or -CH=N-;

W is CH₂ or CHR₈ or N-R₉;

R₇ is hydrogen, lower alkyl, or acyl;

R₈ is lower alkyl;

R₉ is hydroxy, lower alkoxy, or -NHR₁₀; and

B6
C2
cont

~~R₁₀ is hydrogen, lower alkyl, C₁-C₃ acyl, aryl,~~

~~-C(=O)-aryl or -C(=O)-heteroaryl,~~

~~where aryl and heteroaryl are as defined above; and]~~

~~with the proviso that when m is 3, R is not -C(=O)-heteroaryl[, or -C(=W)-heteroaryl;],~~

~~[all geometric, optical and stereoisomers thereof,] or a pharmaceutically acceptable acid addition salt thereof.~~

81. (Amended) A compound as claimed in claim [1] 87, which is (E)-1-[4-[[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-2-butenyl]oxy]-3-methoxyphenyl]ethanone, or a pharmaceutically acceptable acid addition salt thereof.

82. (Amended) A pharmaceutical composition, which comprises a compound as claimed in any one of claims [1-81] 1-75 and 77-81, and a pharmaceutically acceptable carrier therefor.

83. (Amended) An antipsychotic composition which comprises a compound as claimed in any one of claims [1-81] 1-75 and 77-81, in an amount sufficient to produce an antipsychotic effect, and a pharmaceutically acceptable carrier therefor.

84. (Amended) A method of treating psychoses, which comprises administering to a mammal a psychoses-treating effective amount of a compound as claimed in any one of claims [1-81] 1-75 and 77-81.

B6
85. (Amended) An analgesic composition which comprises a compound as claimed in any one of claims [1-81] 1-75 and 77-81, in an amount sufficient to produce a pain-relieving effect, and a pharmaceutically acceptable carrier therefor.

86. (Amended) A method of alleviating pain, which comprises administering to a mammal a pain-relieving effective amount of a compound as claimed in any one of claims [1-81] 1-75 and 77-81.

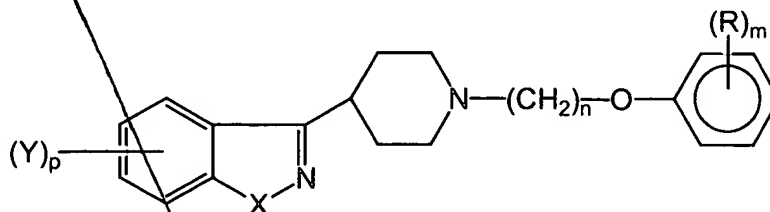
Please amend claims 98, 114, 132, and 142, all added in the Preliminary Amendment dated November 15, 2000, as follows:

B7
98. The compound of claim 87, wherein R is selected from the group consisting of hydrogen, C₁-C₃ alkyl, C₁-C₃ alkoxy, hydroxyl, -COCF₃, C₁-C₆ alkanoyl, Cl, F, Br, I, C₁-C₃ alkylamino, -NO₂, -CF₃, -OCF₃, and -C-lower alkyl.

B8
114. The compound of claim 104, wherein R is selected from the group consisting of hydrogen, C₁-C₃ alkyl, C₁-C₃ alkoxy, hydroxyl, -COCF₃, C₁-C₆ alkanoyl, Cl, F, Br, I, C₁-C₃ alkylamino, -NO₂, -CF₃, -OCF₃, and -C-lower alkyl.

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CS-

132. A compound of the formula



wherein

X is -O- or -S-;

p is 1 or 2;

Y is hydrogen, lower alkyl, hydroxy, chlorine, fluorine, bromine, iodine, lower alkoxy, trifluoromethyl, nitro, or amino, when p is 1;

Y is lower alkoxy, hydroxy, or halogen when p is 2 and X is -O-;

n is 2, 3, 4 or 5;

R is hydrogen, lower alkyl, lower alkoxy, hydroxyl, carboxyl, chlorine, fluorine,

bromine, iodine, amino, lower mono or dialkylamino, nitro, lower alkyl thio,

trifluoromethoxy, cyano, acylamino, trifluoromethyl, trifluoroacetyl,

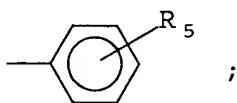
aminocarbonyl, dialkylaminocarbonyl, formyl,

-C(=O)-alkyl, -C(=O)-O-alkyl, -C(=O)-aryl, -C(=O)-heteroaryl,

-CH(OR₇)-alkyl, -C(=W)-alkyl, -C(=W)-aryl, or -C(=W)-heteroaryl;

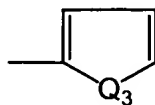
alkyl is lower alkyl;

aryl is phenyl or



B⁹
CS
cont

where R₅ is hydrogen, lower alkyl, lower alkoxy, hydroxy, chlorine, fluorine, bromine, iodine, lower monoalkylamino, nitro, cyano, trifluoromethyl, trifluoromethoxy; heteroaryl is



Q₃ is -O-, -S-, -NH-, or -CH=N-;

W is CH₂ or CHR₈ or N-R₉;

R₇ is hydrogen, lower alkyl, or acyl;

R₈ is lower alkyl;

R₉ is hydroxy, lower alkoxy, or -NHR₁₀; and

R₁₀ is hydrogen, lower alkyl, C₁-C₃ acyl, aryl,

-C(=O)-aryl or -C(=O)-heteroaryl,

where aryl and heteroaryl are as defined above; and

m is 1, 2, or 3;

with the proviso that at least one R is selected from the group consisting of

dialkylaminocarbonyl, formyl, -C(=W)-alkyl, -C(=W)-aryl, and

-C(=W)-heteroaryl;

all geometric, optical and stereoisomers thereof, or a pharmaceutically acceptable acid

addition salt thereof.